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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
16/253,498	04/13/81	NETRAVALI A	18-5

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EXAMINER	
COLES, E	
ART UNIT	PAPER NUMBER
230	3

DATE MAILED: 07/26/82

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined. ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Three month(s), xx days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. ☒ Notice of References Cited by Examiner, PTO-892 2. ☐ Notice of Informal Patent Drawing, PTO-948  
3. ☒ Notice of References Cited by Applicant, PTO-1449 4. ☐ Notice of Informal Patent Application, Form PTO-152

Part II SUMMARY OF ACTION

1. ☒ Claims 1-24 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 1-6, 10, 13-18, 22-24 are rejected.
5. ☒ Claims 7-9, 11-12, 19-21 are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ The formal drawings filed on \_\_\_\_\_ are acceptable.
8. ☐ The drawing correction request filed on \_\_\_\_\_ has been ☐ approved. ☐ disapproved.
9. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has  
☐ been received. ☐ not been received. ☐ been filed in parent application, serial no. \_\_\_\_\_  
filed on \_\_\_\_\_.
10. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
11. ☐ Other

1. The invention resides in the fact that an intensity element is needed or located in a field or frame not transmitted between two transmitted fields or frames. In order to locate the same intensity elements of an object in motion, it is necessary to know the displacement function of the object in the two transmitted fields or frames. In view of the displacement functions of the transmitted fields or frames, the non-transmitted field or frame can be reproduced with special emphasis being directed to the location of the object in motion for interpolation thereof.

2. Claims 1-6, 10, 13-18, 22-24 are rejected under 35 U.S.C. 103 as being unpatentable over Netravali et al. Although, the invention is not identically disclosed or described as set forth in section 102 of Title 35 U.S.C., the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

3. Since applicant is well aware of the cited reference, a detailed explanation will not be made at this time, except although the frame between the transmitted frames are not shown the same operation would have been obvious to one of ordinary skill in the art in view of the teachings of Netravali et al.

4. Claims 7-9, 11-12 and 19-21 contain allowable subject matter but are objected to as depending from a

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rejected base claim. If rewritten in independent form including all of the limitations of the base claim(s) from which they depend, they would be considered allowable.

The Ninomiya et al reference is cited for its motion-compensation interframe coding technique.

  
ELColes/Bwb

703/557-2875

6/24/82

  
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ART UNIT 233